

**SEQUENCE LISTING**

<110> Wei et al.

<120> Human Hematopoietic - Specific Protein

<130> PF268D1C1

<150> PCT/US96/04930

<151> 1996-04-11

<150> 08/837,029

<151> 1997-04-11

<150> 09/265,977

<151> 1999-03-11

<160> 8

<170> PatentIn version 3.1

<210> 1

<211> 833

<212> DNA

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Met Arg Leu Ser Leu  
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cca ctg ctg ctg ctg gga gcc tgg gcc atc cca ggg ggc ctc  
Pro Leu Leu Leu Leu Leu Gly Ala Trp Ala Ile Pro Gly Gly Leu 104  
-15 -10 -5  
ggg gac agg gcg cca ctc aca gcc cca caa ctg gat gat gag  
Gly Asp Arg Ala Pro Leu Thr Ala Thr Ala Pro Gln Leu Asp Asp Glu 152  
-1 1 5 10 15  
gag atg tac tca gcc cac atg ccc gct cac ctg cgc tgt gat gcc tgc  
Glu Met Tyr Ser Ala His Met Pro Ala His Leu Arg Cys Asp Ala Cys 200  
20 25 30  
aga gct gtg gct tac cag atg tggcaa aat ctg gca aag gca gag acc 248

DRAFT

Arg Ala Val Ala Tyr Gln Met Trp Gln Asn Leu Ala Lys Ala Glu Thr			
35	40	45	
aaa ctt cat acc tca aac tct ggg ggg cgg cgg gaa ctg agc gag ttg			296
Lys Leu His Thr Ser Asn Ser Gly Gly Arg Arg Glu Leu Ser Glu Leu			
50	55	60	
gtc tac acg gat gtc ctg gac cgg aac tgc tcc cgg aac tgg cag gac			344
Val Tyr Thr Asp Val Leu Asp Arg Asn Cys Ser Arg Asn Trp Gln Asp			
65	70	75	
tac gga gtt cga gaa gtg gac caa gtg aaa cgt ctc aca ggc cca gga			392
Tyr Gly Val Arg Glu Val Asp Gln Val Lys Arg Leu Thr Gly Pro Gly			
80	85	90	95
ctt agc gag ggg cca gag cca agc atc agc gtg atg gtc aca ggg ggc			440
Leu Ser Glu Gly Pro Glu Pro Ser Ile Ser Val Met Val Thr Gly Gly			
100	105	110	
ccc tgg cct acc agg ctc tcc agg aca tgt ttg cac tac ttg ggg gag			488
Pro Trp Pro Thr Arg Leu Ser Arg Thr Cys Leu His Tyr Leu Gly Glu			
115	120	125	
ttt gga gaa gac cag atc tat gaa gcc cac caa gca ggg gct			536
Phe Gly Glu Asp Gln Ile Tyr Glu Ala His Gln Gln Arg Gly Ala			
130	135	140	
ctg gag gca ttg cta tgt ggg gga ccc cag ggg gcc tgc tca gag aag			584
Leu Glu Ala Leu Leu Cys Gly Gly Pro Gln Gly Ala Cys Ser Glu Lys			
145	150	155	
gtg tca gcc aca aga gaa gag ctc tagtcctgga ctctaccctc ctctgaaaga			638
Val Ser Ala Thr Arg Glu Glu Leu			
160	165		
agctggggct tgctctgacg gtctccactc ccgtctgcag gcagccagga gggcaggaag			698
cccttgctct gtgctgccat cctgcctccc tcctccagcc tcagggcact cgggcctggg			758
tgggagtcaa cgcctcccc tctggactca aataaaaccc agtgaccta aaaaaaaaaaaaa			818
aaaaaaaaaaaa aaaaa			833

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<213> human

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Ile Pro Gly Gly Leu Gly Asp Arg Ala Pro Leu Thr Ala Thr Ala Pro  
-5 -1 1 5 10

Gln Leu Asp Asp Glu Glu Met Tyr Ser Ala His Met Pro Ala His Leu  
15 20 25

Arg Cys Asp Ala Cys Arg Ala Val Ala Tyr Gln Met Trp Gln Asn Leu  
30 35 40

Ala Lys Ala Glu Thr Lys Leu His Thr Ser Asn Ser Gly Gly Arg Arg  
45 50 55

Glu Leu Ser Glu Leu Val Tyr Thr Asp Val Leu Asp Arg Asn Cys Ser  
60 65 70

Arg Asn Trp Gln Asp Tyr Gly Val Arg Glu Val Asp Gln Val Lys Arg  
75 80 85 90

Leu Thr Gly Pro Gly Leu Ser Glu Gly Pro Glu Pro Ser Ile Ser Val

95	100	105
Met Val Thr Gly Gly Pro Trp Pro Thr Arg Leu Ser Arg Thr Cys Leu 110	115	120
His Tyr Leu Gly Glu Phe Gly Glu Asp Gln Ile Tyr Glu Ala His Gln 125	130	135
Gln Gly Arg Gly Ala Leu Glu Ala Leu Leu Cys Gly Gly Pro Gln Gly 140	145	150
Ala Cys Ser Glu Lys Val Ser Ala Thr Arg Glu Glu Leu 155	160	165
 <code>&lt;210&gt; 3</code>		
<code>&lt;211&gt; 28</code>		
<code>&lt;212&gt; DNA</code>		
<code>&lt;213&gt; Artificial Sequence</code>		
<code>&lt;220&gt;</code>		
<code>&lt;221&gt; Primer_Bind</code>		
<code>&lt;223&gt; Synthetic primer containing a Bam HI restriction site</code>		
<code>encoding a start AUG, followed by 19 nucleotides of the hHSP</code>		
<code>coding sequence beginning with the first base of the 23rd codon.</code>		
 <code>&lt;400&gt; 3</code>		
<code>cgcggatccg acagggcgcc actcacag</code>	28	
 <code>&lt;210&gt; 4</code>		
<code>&lt;211&gt; 30</code>		
<code>&lt;212&gt; DNA</code>		
<code>&lt;213&gt; Artificial Sequence</code>		
<code>&lt;220&gt;</code>		
<code>&lt;221&gt; Primer_Bind</code>		
<code>&lt;223&gt; Synthetic primer containing an Xba I restriction site</code>		
<code>followed by 21 nucleotides complementary to the last 21 nucleotides</code>		
<code>of hHSP including the stop codon.</code>		
 <code>&lt;400&gt; 4</code>		
<code>gcgtcttagag aggtcactgg gttttatttg</code>	30	
 <code>&lt;210&gt; 5</code>		
<code>&lt;211&gt; 34</code>		
<code>&lt;212&gt; DNA</code>		
<code>&lt;213&gt; Artificial Sequence</code>		
<code>&lt;220&gt;</code>		
<code>&lt;221&gt; Primer_Bind</code>		
<code>&lt;223&gt; Synthetic primer containing a Bam HI restriction site</code>		
<code>followed by 19 bases of the sequence of hHSP.</code>		
 <code>&lt;400&gt; 5</code>		
<code>cgcggatccg ccatcatgag gctgtcactg ccac</code>	34	
 <code>&lt;210&gt; 6</code>		
<code>&lt;211&gt; 30</code>		
<code>&lt;212&gt; DNA</code>		
<code>&lt;213&gt; Artificial Sequence</code>		
<code>&lt;220&gt;</code>		
<code>&lt;221&gt; Primer_Bind</code>		
<code>&lt;223&gt; Synthetic primer containing an Xba I restriction site</code>		

followed by nucleotides complementary to the last 21 nucleotides of hHSP including the stop codon.

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cggtctagag aggtcactgg gttttatttg	
<210> 7	
<211> 34	
<212> DNA	
<213> Artificial Sequence	
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<221> Primer_Bind	
<223> Synthetic primer containing a Bam HI site, an AUG start codon and 16 nucleotides thereafter.	
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<211> 57	
<212> DNA	
<213> Artificial Sequence	
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<221> Primer_Bind	
<223> Synthetic primer containing an Xba I site, a stop codon, 9 codons forming hemagglutinin tag and 18 bp of 3' coding sequence.	
<400> 8	57
cgctctagat caagcgtagt ctgggacgtc gtatggtagt agcttttctt ctgtggc	